SBR 244/16-17

Original/Duplicate/Triplicate

No. **1st & FINAL BILL**

CONTRACT CERTIFICATE

(For Other Works)

Date : .....

Division **DD**

Sub-Division **Shettyhalli**

Bill Received No. 195 Dated .....

Cash Book Voucher No. ..... Dated : .....

Scheduled Doctet No. .....

Head of Account .....

Name of work (as per sanctioned estimate) **DRILLING OF 7 NUMBER OF BOREWELL AND FIXING OF PUMP, MOTOR AND NECESSARY ACCESSORIES AT SHETTY HALLI & ABBIGERE IN DIFFERENT LOCATION IN WARD NO.12 SHETTY HALLI SUB DIVISION.**

Name of Contractor and Full Address **SRI. R. SHIVARAM**

Reference to Agreement No. **EE/DD/WO/ 04 / 16-17** Date: **15.04.2016**

Certified that the measurements were taken by me on 22.6.16 and recorded in pages 342029-042 of measurements Book No. 3491/14-15 and that the work is satisfactorily executed.

Contractor

Officer - in - charge of work

Certified that the measurements were checked by me on 22.6.2016 and found correct. The work is satisfactorily executed.
Certified that the quantities of materials shown in column 3 of Account II have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of an imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

EXECUTIVE ENGINEER Bruhat Bangalore Mahanagara Palike Dasarahalli Division, Bangalore-73

Sub - Division Officer

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

If Memorandum of Payment

JOB CODE: 012-15-000021

		AMOUNT
1.	Total value of work done or supplies made as per account.	RE -- 4128883=00
2.	Deduct amount to be held in reserve being ..... percent Rs.	IT - 41289
3.	- do - Balance	ESI - 165155
4.	Deduct Payments :	WC - 41289
	a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated ..... S.D. No.	ESI - 4129
	Amount adjusted towards cash advance recovery of	Total --
	b) Payments cost store or other materials supplied.	DEA - 251862
5.	Balance being unpaid value of work done held in reserve	
6.	Deduct cash advance made on the office Cash Book Vehicle No. ..... dated ..... less adjustments	
7.	Net amount due to or from contractor	Net 3877021=00
	Unadjusted items	
8.	Advance to contractor for materials brought to site (as detailed) within value of Government materials supplied.	
		Total amount adjusted --

Audited and admitted for Rs. 4128883=-

Passed by Cheque for Rs. 3877021=-

Received Rs. ..... (in words)

2,51,862=00

..... by cash and by adjustment of

Payment as per memorandum. 251862=-

(In final settlement of all demand)

Witness :

Accounts Superintendent

Executive Engineer
B.B.M.P. Hoggandahalli Division

2.

Contractor Signature

(For use in the Office)

Stamp

Signature of Contractor

Date

Paid by me by cheque No..... Dated .....

Cash Rs. ..... Dated .....

Initials of Officer making payment dated .....

Executive Engineer

	Items of work (grouped under sub-heads the sub works of the estimate)
1	Geophysical survey geophysical investigation of site for sinking Borewell for supplying drinking water to the habitatic through the hand pumps, MWS or PWSS by vertical electrical sounding by adopting venner or schlumbergers's met including recconnaisance suevey of geological formation Geophysical investigation of existing ground Water in the v its quality , quality & acceptabality of the users indicating the location of the site recommended depth of c ig pipe to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquire pro be tapped propable yield and other information required including transportation of instrument and accessories to w engaging technical person and labour etc.,Complete as per Specification, and as per direction of Engineer-incharge
2	Sinking of borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above 900 CMF & abo strata including over budern upto 20 m. fixing of casing pipes, collars & cap with necessary cutting, threading & welc including transportation of rig and supporting vehicle, crew charges & cost of consumables etc., complete including testing at the final depth with minimum working of compressor for one hour(excluding cost of casing pipes, collars, c Complete as per Specification, and as per direction of Engineer-incharge. A. 0.00 to 50.00 Mtr.
3	50.00 to 100.00 Mtr.
4	100.00 to 150.00 Mtr.
5	150.00 to 200.00 Mtr.
6	200.00 to 250.00 Mtr.
7	250.00 to 300.00 Mtr.
8	300.00 to 350.00 Mtr.
9	Supply of ISI Mark 175mm Nominal bore ,plain end steel Casing pipe- grade of steel Fee 410 of wall thickness 5.4 n confirming to IS 1387/1933 and manufactured by basic open earth electric or basic oxygen process in random lenth 7mtrs. Both ends threaded Confirming to IS 554/1985, One end fixed with a Socket Confirming to IS 4270:2001 and other end with Screwed pipes . All pipes shall be reasonably free from defectes. The tube shall be reasonably straig be with ISI marking, weighing 25.10kg/mtr. (Inclusive of all taxes) Complete as per Specification, and as per directio Engineer-incharge.
10	Additional rate on item No. 2 is allowed for drilling in over burden and folling casing pipes beyond 20mtrs, rate at 15 beyond 30mtrs 30% on basic rate of Rs.306 is allowed Complete as per Specification, and as per direction of Engine incharge.
11	Providing 175 mm dia MS Collar Complete as per Specification, and as per direction of Engineer-incharge.
12	Providing 175 mm dia MS Cap Complete as per Specification, and as per direction of Engineer-incharge.
13	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make vertical installation in 150mm dia. Borewells comprising of single stage or miultistage CF pump close coupled by me stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) s cage submersible induction mortor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard Non return valve etc., complete the pump and mo form an integral unit with all the required fittings 15HP 30 stage Kirloskar, Atlanta, Suguna, CRI & other equipment p Complete as per Specification, and as per direction of Engineer-incharge.

	Unit	Previous		Present Measurement			Total Up-to-date		Remarks
		Qty	Cost	Qty	Rate Rs. Ps.	Cost	Qty	Cost	
ther ity. uired ed to site,	Each			7.00	1764.00	12348.00	7.00	12348.00	
n all tc.,)	Mtr			350.00	287.00	100450.00	350.00	100450.00	
	Mtr			350.00	375.00	131250.00	350.00	131250.00	
	Mtr			350.00	417.00	145950 / 145950.00	350.00	145950.00	145950 –
	Mtr			350.00	441.00	154350.00	350.00	154350.00	
	Mtr			350.00	510.00	178500.00	350.00	178500.00	
	Mtr			350.00	547.00	191450.00	350.00	191450.00	
	Mtr			350.00	583.00	204050.00	350.00	204050.00	
nick to ould	Rmt			280.00	1242.00	347760.00	280.00	347760.00	
l	Mtr			70.00	47.00	3290.00	70.00	3290.00	
	Each		70	56.00	141.00	9870.00 / 7896	56.00	9870.00	7896
	Each			7.00	94.00	658.00	7.00	658.00	
le l all	No			7.00	66153.00	463071.00	7.00	463071.00	

14	Supplying and Drawing 3 core Flat PVC Shalted Submersible Pump Cable Manufactured with Electrolytic Grade Co Flexible copper conductor to table 3 class 5 of IS 8130-1984 and Virgen PVC insulation and Sheeated Suitable for Voltage Upto 1100 Volts Complete as per Specification, and as per direction of Engineer-incharge.
15	Supplying and fixing 50mm Non Return Vavle of vertical type of approved make including cost of all materials labou equipment with all leads Complete as per Specification, and as per direction of Engineer-incharge.
16	Supplying and fixing 50mm GM Gate Vavle Complete as per Specification, and as per direction of Engineer-incharg
17	Supplying and fixing 175mm Borewell cap with clampset Complete as per Specification, and as per direction of Eng incharge.
18	Supplying and fixing 50mm GI Union Complete as per Specification, and as per direction of Engineer-incharge.
19	Supplying and fixing 50mm GI Elbow Complete as per Specification, and as per direction of Engineer-incharge.
20	Providing and fixing of 50mm G.I pipe 'C' class heavy duty for erection of submersible pumpset galvanised tube 50 supply and delivary of cause heavy duty, Complete as per Specification, and as per direction of Engineer-incharge.
21	Supplying of TPST with rewireable porcelain channels in SM encloser 15/32 amps, Complete as per Specification, per direction of Engineer-incharge.
22	Supplying and fixing 500x500x65mm polished wood board made up not less than 15mm thick plank in front plank c provided for olding at other end fixing the same of the valve using through bolts and nuts, Complete as per Specific as per direction of Engineer-incharge.
23	Supplying and fixing LED Type panel board indicating lamp with required colour suitable for 220 v AC 50Hz 12/24 Group 'B', Complete as per Specification, and as per direction of Engineer-incharge.
24	Supplying and drawing each PVC insulated 650/100 V grade wire in the conduct (Open or Concealed system of wi or 7/36 copper wire, Complete as per Specification, and as per direction of Engineer-incharge.
25	Supplying, fixing and wiring heavy duty low voltage capacitors confirming to I 2834, 3 PHASE 400/440 Volts grade factor improvement of rotating machinery capacitor in KVAR - rating Nos 2 KVAR Capacity,Complete as per Specif and as per direction of Engineer-incharge.
26	Supplying and fixing miniature Circuit breakers on existing MCB distribution boards using necessary fixing material wiring complete as required), Complete as per Specification, and as per direction of Engineer-incharge.
27	Supplying, fixing, wiring earth electrode for grounding conduits, IC cutouts and other equipments on the meter boa 40mm dia 2.90mm thick GI pipe 2.50m long buried in a pit. The pit should be filled with equal proportion of solt and 150mm alround the pipe to complete depth. the connection from the pipe to the conduct etc., is to be established t wire of size as per ISI specifications 7.3.3 IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pip have 16 throught holes of 122mm dia Complete as per Specification, and as per direction of Engineer-incharge.
28	Supplying and fixing class A (medium duty) GI pipe wall thickness not less than 3.25mm on pole. Complete as per Specification, and as per direction of Engineer-incharge.
29	Supply 1.1 KV class UG cable from nearest BESCOM pole to panel board including earth work and road restoratio sqmm. Complete as per Specification, and as per direction of Engineer-incharge.
30	Labour charges for laying 1.1 KV class UG cable when supplied by agencies in existing trenches GI pipe / stonewa on pole as required, Complete as per Specification, and as per direction of Engineer-incharge.
31	Digging of trench of 0.6m deep x 0.5m wide refilling the trench to the required level and consolidating etc., Comple Specification, and as per direction of Engineer-incharge.

with ing	Mtr			2170	~~2170~~ 21.70 2170	150.00	~~3060.00~~ ~~8258.00~~ 325500	21.70	~~3255.00~~ 325500	
M of	NO				7.00	1073.00	7511.00	7.00	7511.00	
	NO				7.00	1125.00	7875.00	7.00	7875.00	
-	No				7.00	94.00	658.00	7.00	658.00	
	nos				7.00	210.00	1470.00	7.00	1470.00	
	nos				21.00	105.00	2205.00	21.00	2205.00	
	Mtr				2030.00	487.00	988610.00	2030.00	988610.00	
s	nos				7.00	1237.00	8659.00	7.00	8659.00	
d and	nos				7.00	284.00	1988.00	7.00	1988.00	
	nos				7.00	361.00	2527.00	7.00	2527.00	
7/20	Mtr				70.00	26.00	1820.00	70.00	1820.00	
wer n,	nos				7.00	361.00	2527.00	7.00	2527.00	
	nos				7.00	413.00	2891.00	7.00	2891.00	
g oal Gl	nos				7.00	1550.00	10850.00	7.00	10850.00	
	nos				70.00	228.00	15960.00	70.00	15960.00	
16	Mtr				210.00	156.00	32760.00	210.00	32760.00	
	Mtr				210.00	5.00	1050.00	210.00	1050.00	
	Mtr				105.00	42.00	4410.00	105.00	4410.00	

32	Supply and fixing LT cast iron pot heads suitable for 1.1 KV class 16 sqmm UG cable filled with neccesar insulating compound complete with termiinalas, clamps, bolts, nuts, washers etc., Complete as per Speci direction of Engineer-incharge.
33	Supplying and fixing of porcelain fuse channel with cut-out on existing / new wooden panel using neccesa washers etc., Complete as per Specification, and as per direction of Engineer-incharge.
34	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including ba lighting etc., in the Asphalt surface road. Complete as per Specification, and as per direction of Engineer
35	Earthwork excavation for foundation of buildings water supply, sanitary lines and electrical conduits either trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the botto and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after break Complete as per Specification, and as per direction of Engineer-incharge.
36	Providing and installing at site of work P.V.C pipes including cost of pipes and specials and labour includi trenches, laying true to line, level and perfect linking at joints leak proof including jointing of approved typ lift charges, handling charges including encasing the pipe alround to a depth not leass than 15 cms with earth available from the excavation etc., PVC pipes of 6kg/Sqm 75mm Dia, Complete as per Specificatio direction of Engineer-incharge.
37	Supplying and fixing 50 mm GI pipes 'B' class heavy duty (As PER bwssb Store Issued Rate) Note:- GI P crossing places. Complete as per Specification, and as per direction of Engineer-incharge.
38	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting ea by ramming after watering with lead upto 50m. and lift upto 1.5m. Including cost of all labour Complete as and as per direction of Engineer-incharge.

CERTIFICATE:

1 Work done is satisfactory

2 There are no departmental issuesmade to the contractor

3 The contractor has cleared all debrice from work spot

Rasul A.E.

per	nos			7.00	249.00	1743.00	7.00	1743.00	
ind	nos			42.00	218.00	9156.00	42.00	9156.00	
er	Cum			176.00 123.39	293.00	51685.00 36153	176.00 123.39	51685.00 36153	
pits	Cum			1102.50	244.00	269010.00	1102.50	269010.00	
and ed	Rmt			2450.00	116.00	284200.00	2450.00	284200.00	
oad	Mtr			70.00	198.00	13860.00	70.00	13860.00	
yer on,				1102.50	57.00	62842.00	1102.50	62842.00	
						Total	Amount Rs:	405266a.00	
						Billamount	4037258	126807.00	9162
								4170651.00	
							4128883		

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಬ್ಬಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು